Docket No.: 30275/939B (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Gerard Mourou et al.

Application No.: 09/775,069 Confirmation No.: 1906

Filed: February 1, 2001 Art Unit: 1725

For: METHOD FOR CONTROLLING

CONFIGURATION OF LASER INDUCED BREAKDOWN AND ABLATION

Examiner: G. S. Evans

RESPONSE TO DECEMBER 29, 2009 FINAL ACTION

8

PETITION UNDER 37 C.F.R. § 1.47

Office of Petitions Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Madam:

REMARKS

Claims 46-67 are pending and at issue. The office action and the subsequent February 11, 2009 advisory action have confirmed that claims 46-67 are allowable over the prior art.

The only rejection in this case is that of claims 46-67, which are rejected as based upon a defective reissue declaration. The office action acknowledges that the original reissue declaration filed with the parent reissue application lists specific errors corrected in the present divisional application. The office action points out, however, that additional

Application No. 09/775,069 Amendment dated June 29, 2009 Reply to Office Action of December 29, 2008

errors (stemming from amendments during prosecution of this divisional application) are also now being addressed by the conditionally-allowed claims.

Docket No.: 30275/939B

Accordingly, applicant has submitted herein an executed supplemental reissue declaration (now the third such supplemental) under 37 C.F.R. § 1.175(b) (Ex. A). The supplemental reissue declaration is executed by all of the inventors, except Ron Kurtz who has refused to execute. Thus, pursuant to 37 C.F.R. § 1.47(a) and the accompanying Statement of Facts of Richard A. Brandon Under 37 C.F.R. §1.47 (Ex. B), applicant petitions acceptance of the supplemental reissue declaration, and allowance of this application.

Mr. Kurtz executed the original reissue declaration in the parent application on July 22, 1999 (Ex. C). Mr. Kurtz subsequently executed two supplemental declarations in the present divisional application, one on February 24, 2004 (Ex. D), and another on September 15, 2007 (Ex. E). As indicated in the attached Statement of Facts (Ex. B), representatives for the assignee repeatedly contacted Mr. Kurtz beginning on or about February 2, 2009 of this year to have Mr. Kurtz complete a third supplemental reissue declaration pertaining to amendments made to the claims in the fall of 2008 and early 2009. After repeated email communications with Mr. Kurtz, requesting that he execute the third supplemental reissue declaration, Mr. Kurtz would not sign. As indicated, the last attempt at reaching Mr. Kurtz was made today, June 29, 2009, via email, and Mr. Kurtz has refused to respond or otherwise provide an executed third supplemental reissue declaration.

An assignment of the invention in favor of The Regents of the University of Michigan has been previously submitted.

A payment in the fee set forth under 37 C.F.R. §1.17(g) is included.

CONCLUSION

On the basis of these facts and for the foregoing reasons, it is solicited that the supplemental reissue declaration be accepted under 37 C.F.R. 1.47(a).

Should the Petitions Officer have any question of form or substance, he or she is encouraged to contact the undersigned attorney at the telephone number and address listed below.

Dated: June 29, 2009

Respectfully submitted,

Paul B. Stephens

Registration No.: 47,970 MARSHALL, GERSTEIN & BORUN LLP

233 S. Wacker Drive, Suite 6300 Sears Tower

Chicago, Illinois 60606-6357 (312) 474-6300

Attorney for Applicant

PTO/SB/51S (09-07)

G. S. Evans

Approved to use through 500 (2015).

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Authorized Decide May 100 (2015) 2015 (201 First Named Inventor Gerard Mourou SUPPLEMENTAL DECLARATION FOR REISSUE COMPLETE If known PATENT APPLICATION Application Number 09/775 069-Conf. #1906 TO CORRECT "ERRORS" STATEMENT Filing Date February 1, 2001 (37 CFR 1.175) Art Unit Examiner Name

I/We hereby declare that:

Every error in the patent which was corrected in the present reissue application, and which is not covered by the prior oath(s) and/or declaration(s) submitted in this application, arose without any deceptive intention on the part

I/We hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon,

Name of First Inventor:	A position has been filed for this unsigned inventor
Given Name (first and middle (if a	
Gerard	Mourou
Inventor's Signature	Date /9/3/2009
Name of Second Inventor:	A petition has been filled for this unsigned inventor
Given Name (first and middle jif a	Fornity Name or Surrame
Detao	Du
Inventor's Signature	Date

X Additional inventors or legal representative(s) are being named on the ______1 supplemental stress(s) PTO/S8/02A or 02LR attached hereto.

PTC/S8/515 (09-07)

U.S. Palent an Tademark Office; U.S. DEPARTMENT OF COMMERCE
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Under the Paperwork Reduction Act of 1996, no persons are required to rescord to a collection of Information unless it must

	Attorney Docket Number	30275/939B
SUPPLEMENTAL DECLARATION	First Named Inventor	Gerard Mourou
FOR REISSUE		ETE if known
PATENT APPLICATION	Application Number	09/775 069-Conf. #1906
TO THE PERSON OF		February 1, 2001
(37 CFR 1.175)	Art Unit	1725
	Examiner Name	G. S. Evans

I/We hereby declare that:

Every error in the patent which was corrected in the present reissue application, and which is not covered by the prior oxfl(s) and/or declaration(s) submitted in this application, arose without any deceptive intention on the part of the application.

IWe hereby declare that all statements made herein of mylour own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of First Inventor:		A petition has been filed for this unsigned inventor				
Given Name (first and middle (if anyl))				Family Na	ame or Sumame	
Gerard		Mourou				
Inventor's Signature					Date	1
Name of Second Inventor:			A petition has be	een filed fo	or this unsigned inventor	
	Given Name (first an	d middle [if any])			Family Na	ame or Surname
-	Deta	10				Du
Inventor's Signature				Date	12/11/09	

X Additional Infentors or legal representative(s) are being samed on the 1 supplemental sheet(s) PTO/S8/02A or 02LR attached hereto.

PTO/SB/02A (07-07)

Approved for use through 06/30/2016, OMB 0651-0322

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ADDITIONAL INVENTOR(S) DECLARATION Supplemental Sheet Page 1 of 1 Name of Additional Joint Inventor, if any: A petition has been illed for this unsigned inventor Given Name (first and middle (if anyt) Family Name or Surnamo Subrata K. Dutta Schrita Signature Dritta 2/2/09 Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Sumarne Victor M. Elner Inventor's Signature Date Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Surname Ronald M. Kurtz inventor's Signature Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned in Given Name (first and middle (if any)) Family Name or Surname Paul R. Lichter Inventor's Signature Marne of Additional Joint Inventor, if any: A polition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Sumame Zinbing Liu Signature Date Name of Additional Joint Inventor, if any: A patition has been filed for this unsigned inventor Given Name (first and middle (if any)) Family Name or Sumame Peter P. Pronko Inventor's Signature Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle (if anyl) Family Name or Surname Jeffrey A. Squier Inventor's Signature Date

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DECLARATION
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DECLARATION	!	Supplemental Shee	Page 1 of 1	
Name of Additional Joint Inventor, if any:		A petitio	n has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname		
Subrata K.	-		Dutta	
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname	
Victor M.			Elner	
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Sumame	
Ronald M.			Kurtz	
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname	
Paul R.			Lichter	
inventor's Janes Licht			Date 2-12-2009	
			L	
Name of Additional Joint Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Name (first and middle (if any))		***************************************	Family Name or Surname	
Zinbing			Liu	
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition i	us been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname	
Peter P.			Pronko	
trwentor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition h	as been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname		
Jeffrey A.			Squier	
nventor's Signature			Date	

PTO:S8/02A (07-07)

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DECLARATION	ADDITIONAL INVENTOR(S) Supplemental Sheet Page _1 _ of _1		
Name of Additional Joint Inventor, if any:	A petition has been filled for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Sumame		
Subrata K.	Dutta		
Inventor's Signature	Date		
Name of Additional Joint Inventor, if any:	A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Sumerne		
Victor M.	Elner		
Inventor's Signature	Date		
Name of Additional Joint Inventor, if any:	A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Sumame		
Ronald M.	Kurtz		
Inventor's Signature	Date		
Name of Additional Joint Inventor, if any:	A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Surname		
Paul R.	Lichter		
Inventor's Signature	Date		
Name of Additional Joint Inventor, if any:	A polition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Sumame		
inbing	· Liu		
Inventor's Signature	Date 3/23/2009		
Name of Additional Joint Inventor, if any:	A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Surname		
Peter P.	Pronko		
Inventor's Signature	Date		
Name of Additional Joint Inventor, if any:	A polition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Surname		
Jeffrey A.	Squier		
Inventor's			

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Given Name (first and middle (if anv))	Family Name or Surname
Subrata K.	Dutta
Inventor's Signature	Date
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Given Name (first and middle (if any))	Family Name or Sumame
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Inventor's Signature	. Date
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Inventor's Signature	Date
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Signature	Date
Name of Additional Joint Inventor, if any:	
Given Name (first and middle (if any))	A petition has been filed for this unsigned inventor
Zinbing	Family Name or Surname
Inventor's	Liu
Signature	Date
Name of Additional Joint Inventor, If any:	A petition has been filed for this unsigned inventor
Given Name (first and middle (if anv))	Family Name or Surname
Peter P.	Printed or Sumane Pronko
Inventor's	1
Signature Lets Courts	Date Feb. 20, 2009
Name of Additional Joint Inventor, if any:	A petition has been filed for this unsigned inventor
Given Name (first and middle (if any))	Family Name or Sumame
Jeffrey A.	Squier
Inventor's Signature	Date
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Given Name (first and middle (if any))	Family Name or Sumame
Subrata K.	Dutta
Inventor's Signature	Date
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Inventor's Signature	Date
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Inventor's Signature	Date
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Zinbing	Liu
Inventor's Signature	Date
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Peter P.	Prenko
inventor's Signature	Date
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Given Name (first and middle (if any))	Family Name or Sumame
Jeffrey A.	Squier ,
Inventor's Signature	Date 2/12/09
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Docket No.: 30275/939B (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: Gerard Mourou et al

Application No.: 09/775,069 Confirmation No.: 1906

Filed: February 1, 2001 Art Unit: 1725

For: METHOD FOR CONTROLLING Examiner: G. S. Evans

CONFIGURATION OF LASER INDUCED BREAKDOWN AND ABLATION

STATEMENT OF FACTS OF RICHARD A. BRANDON UNDER 37 C.F.R. § 1.47

MS Petition Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Madam:

I, RICHARD A. BRANDON, hereby state as follows:

- I am authorized as Assistant General Counsel for the University of Michigan to make this statement on behalf of the assignee of the instant application, The Regents of the University of Michigan.
- I make this statement to provide facts personally known to me concerning the circumstances surrounding the refusal of listed inventor, Ron Kurtz, to sign a new supplemental reissue declaration for the above-identified application.
- On July 22, 1999, Mr. Kurtz executed the original reissue declaration for U.S. Application Serial No. 09/366,685, which is the parent application to the present divisional application.

- After prosecution, on February 24, 2004, Mr. Kurtz executed a first supplemental reissue declaration pursuant to 37 C.F.R. 1.175. All other inventors executed the supplemental declaration as well.
- After further prosecution, on September 15, 2007, Mr. Kurtz executed a second supplemental reissue declaration pursuant to 37 C.F.R. 1.175. All other inventors executed the supplemental declaration as well.
- In response to additional amendments made after September 15, 2007, I
 contacted Mr. Kurtz and the other inventors on February 2, 2009 to have them execute a new
 (now third) supplemental reissue declaration to encompass any errors corrected after September
 15, 2007.
- 7. On February 24, 2009, Mr. Kurtz requested information from me regarding the prosecution history.
- 8. On March 2, 2009, in response to Mr. Kurtz's request, I sent Mr. Kurtz a communication providing the further prosecution history detail he requested and asking him to sign the third supplemental reissue declaration so that it could be filed, along with the signatures of the other inventors, by the three-month deadline of March 29, 2009. I followed up on March 4, March 18 and March 24, 2009 asking Mr. Kurtz if he required any further information. On March 24, 2009, Mr. Kurtz requested additional information, and on March 25, I provided additional information concerning the prosecution history.
- On March 25, 2009, Mr. Kurtz sent a communication confirming receipt
 of my earlier communications and acknowledging the additional information I provided to him
 regarding the prosecution history. Mr. Kurtz, however, did not sign the third supplemental
 declaration.
- 10. On June 16, 2009, I sent Mr. Kurtz a follow-up communication providing yet additional information. And on June 19, 2009, I sent Mr. Kurtz another reminder, attaching the third supplemental declaration and requesting that he execute the same. In the June 19, 2009 communication, I indicated to Mr. Kurtz that if we did not receive the executed third

supplemental reissue declaration from him by June 24, 2009, we would presume he was refusing to sign.

- 11. On June 23, 2009, Mr. Kurtz sent me another communication asking for information
- 12. On June 25, 2009, I sent Mr. Kurtz yet another communication including information from the prosecution history that identified the errors that were sought for correction since the second supplemental declaration that he executed on September 15, 2007. I attached to the communication a listing of claims showing the amendments made after September 15, 2007. In that communication, I indicated to Mr. Kurtz that if we did not received the executed third supplemental reissue declaration from him by 5:00 EDT, June 26, 2009, we would presume that he was refusing to sign.
- 13. On June 26, 2009, Mr. Kurtz sent me another communication indicating that he was not able to find an identification of the errors being corrected. Mr. Kurtz again had not signed the third supplemental reissue declaration.
- 14. On June 29, 2009, in a last attempt to obtain Mr. Kurtz's execution of the supplemental reissue declaration, I sent Mr. Kurtz a final communication, indicating that the errors being corrected were in failing to claim as much as we should have, and indicating that we will assume he is not willing to sign the supplemental reissue declaration.
 - Mr. Kurtz has not responded.
- 16. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issuing therefrom.

Dated: 6/29/09

Ruhard Strand

Richard A Brandon

Attorney Docket: UM-939 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Gerard A. Mourou, Detao Du, Subrata K. Dutta,

Victor Elner, Ron Kurtz, Paul R. Lichter, Xinbing Liu, Peter P. Pronko, Jeffrey A. Squier

U.S. Serial No.: 08/224,961

U.S. Patent No.: 5,656,186

Title: METHOD FOR CONTROLLING

CONFIGURATION OF LASER INDUCED

BREAKDOWN AND ABLATION

BROADENING REISSUE APPLICATION OATH AND POWER OF ATTORNEY BY INVENTORS

As a below-named inventor, I hereby declare that:

- (1) my residence, Post Office address and citizenship are as stated below next to my name.
- (2) I believe original, first and joint inventors of the subject matter that is described and claimed in Letters Patent Number 5,656,186, granted on August 12, 1997, and in the foregoing specification attached hereto as originally filed on April 8, 1994, and for which invention I solicit a reissue application, are Gerard A. Mourou, Detao Du, Subrata K. Dutta, Victor Elner, Ron Kurtz, Paul R. Lichter, Xinbing Liu, Peter P. Pronko, and Jeffrey A. Squier.
- (3) I hereby state that I have reviewed and understand the contents of the above-identified reissue application, including its specification and the claims as amended.
- (4) I acknowledge the duty to disclose information which is material to the patentability of this reissue application in accordance with Title 37, Code of Federal Regulations, § 1.56 which I have read and understand.

Broadening Reissue Application Oath and Power of Attorney by Inventors U.S. Patent No. 5,656,186 Attorney Docket: UM-939

- (5) I further declare that I do not know and do not believe that the invention claimed in the instant reissue application was ever known or used by others in this country before my invention thereof, or patented or described in any printed publication in any country before my invention thereof, or patented or described in any printed publication more than one year prior to the filing date of United States Patent No. 5,656,186, or described in any prior U.S. application in which the invention may have been disclosed, or in public use or on sale in the United States of America for more than one year prior to the filing date of United States Patent No. 5,656,186.
- (6) I believe that United States Patent No. 5,656,186 to be partly inoperative. I believe United States Patent No. 5,656,186 is partly inoperative because independent claims 1, 7, 24, 33, 53, 36, and 37 are subject to an unintentionally narrow interpretation and, thus, less than I had a right to claim.
- (7) In particular, I believe it was an error to use the term "focusing" in at least claims 1, 7, 24, 33, 35, 36 and 37 because it is subject to a unintentionally narrow interpretation.
- (8) I further believe that it was an error to use the phrase "generating a beam of one or more laser pulses" in at least claims 1, 7, 33, 35, and 36 because it is subject to a unintentionally narrow interpretation.
- (9) All errors which are being corrected in the present reissue application arose without any deceptive intention.

Broadening Reissue Application Oath and Power of Attorney by Inventors U.S. Patent No. 5,656,186 Attorney Docket: UM-939

POWER OF ATTORNEY:

I hereby appoint the following attorney(s) and/or agent(s) of the firm of Young & Basile, P.C.: Linda M. Deschere, Patent Office Registration No. 34,811; Thomas N. Young, Patent Office Registration No. 20,985; Andrew R. Basile, Patent Office Registration No. 24,753; William M. Hanlon, Jr., Patent Office Registration No. 28,422; Marshall G. MacFarlane, Patent Office Registration No. 30,403; Donald L. Wood, Patent Office Registration No. 20,014; Thomas D. Helmholdt, Patent Office Registration No. 33,181; Todd L. Moore, Patent Office Registration No. 36,874; Jason J. Young, Patent Office Registration No. 34,048; and Thomas E. Bejin, Patent Office Registration No. 37,089, as my attorney(s) and/or agent(s), to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith.

Send all correspondence to:

Young & Basile, P.C. 3001 West Big Beaver Road, Suite #624 Troy, Michigan 48084-3107

Phone: (248) 649-3333

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of Inventor Gerard A. Mouruo
Inventor's Signature (See Separate Document)
Dota Citizenship France
Residence 4151 Thornoaks Drive, Ann Arbor, Michigan 48104
Post Office Address(Same as Above)
1 Ost Office / Idai-1-1
Full Name of Inventor Detao Du
Inventor's Signature
Date Citizenship China
Residence 34528 Alberta Terrace, Fremont, California 94555
Post Office Address (Same as Above)
Full Name of Inventor Subrata K. Dutta
Inventor's Signature (See Separate Document)
Date Citizenship United States
Residence 1136 Prospect Avenue, #3, Ann Arbor, Michigan 48104
Post Office Address (Same as Above)

Broadening Reissue Application Oath and Power of Attorney by Inventors U.S. Patent No. 5,656,186 Attorney Docket: UM-939

Full Name of Inventor Victor Elner			
Inventor's Signature (See Separate Document)			
Date Citizenship United States			
Residence 1492 Morehead Drive, Ann Arbor, Michigan 48103			
Post Office Address (Same as Above)			
Full Name of Inventor Ron Kurtz / /			
Inventor's Signature / lm / w			
Full Name of Inventor Ron Kurtz Inventor's Signature Date 7-22-99 Citizenship Uhited States			
Residence 2217 Vinewood, Ann Arbor, Michigan 48104			
Post Office Address (Same as Above)			
Full Name of Inventor Paul R. Lichter			
Inventor's Signature (See Separate Document)			
Date Citizenship United States			
Residence 1100 Wolverhampton, Ann Arbor, Michigan 48105			
Post Office Address (Same as Above)			
Full Name of Inventor Xinbing Liu			
Inventor's Signature (See Separate Document)			
Date Citizenship China			
Residence 3 Breezy Point Road. Acton. Massachusetts 01720			
Post Office Address (Same as Above)			
A 001 0 1110 V 1 1			
Full Name of Inventor Peter P. Pronko			
Inventor's Signature (See Separate Document)			
Date Citizenship United States			
Residence 7857 Baker Heights Court. Dexter. Michigan 48130			
Post Office Address (Same as Above)			
Full Name of Inventor Jeffrev A. Squier			
Inventor's Signature (See Separate Document)			
Date CitizenshipUnited States			
Residence 10584 Wincheck Road, San Diego, California 92131			
Port Office Address (Same as Above)			

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PTO/SR/51S (05-03)

Approved for use through 1/31/2004, OMB 0651-0033 U.S. Patern and Tradomark Office; U.S. DEPARTMENT OF COMMERCE

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SUPPLEMENTAL DECLARATION
FOR REISSUE
PATENT APPLICATION
TO CORRECT "ERRORS" STATEMENT
(37 CFR 1.175)

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=	Attorney Dacket Number	2115D-000939/DVD			
	First Named Inventor	Gerald A. Mourou			
	COMPLETE				
	Reissue Application No.		09/775,069		
	Filing Date	February 1, 2001			
	Art Unit	1725			
	Examiner Name	Geoffrey S. Evans			

i/We hereby declare that:

Every error in the patent which was corrected in the present reissue application, and which is not covered by the prior oath(s) and/or declaration(s) submitted in this application, arose without any deceptive intention on the part of the applicant.

I/We hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:	☐ A petition ha	s been file	ed for this unsigned inventor	
Given Name (first and middle [if any])				
Gerard A	Mourou			
Inventor's Signature	Pour	Date	2127/04	
Name of Second Inventor A petition has been filed for this unsigned inventor			ed for this unsigned inventor	
Given Name (first and middle [if any]) Family Name or Surname				
Detao	Du			
Inventor's Signature		Date		
Name of Third Inventor	☐ A petition has	been filed	for this unsigned inventor	
Given Name (first and middle [if any])	Family Name or Surname			
Subrata K.	Dutta			
Inventor's Signature		Date		
Name of Fourth Inventor	☐ A petition has	been filed	for this unsigned inventor	
Given Name (first and middle [if any]) Family Name or		ame		
Victor Elner				
Inventor's Signature		Date		

Additional inventors or legal representatives(s) are being named on the _____ supplemental sheets PTO/SB/02A or 02LR attached herefo. This collection of information is required by 37 CFR 1.175. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.8 minutes to USPTO to process) an application. Confidentially is governed by 39 U.S.C. 122 and af CFR.1.14. Insc covecand 6 elimates to suce 1.4 finduces to accomplete, including pathering, preparing, and schemingle the completed application from to the USPTO. Them will very depending upon the individual cases. Any comments on the emount of time pour lengths to complete this form and/or suggestors for reducing this busine, should be sent to the Chief Information Any comments of the emount of time pour lengths to complete this form and/or suggestors for reducing this busine, should be sent to the Chief Information Officer. US. Pather and "Tableanis" Officer. US. Department of Commence, 90. Box 1450, Alexandria, Va 2231-1450, DO NOT SEND FEES OR COMMETEED PORTUS TO THIS ADDRESS. SEND TO: Commissioner for Patheria, 90. Box 1450, Alexandria, Va 2231-1450. If you need assistance in completing the form, call 1-000-PTO-9199 and select option 2.

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	Attorney Docket Number	2115	
SUPPLEMENTAL DECLARATION	First Named Inventor	Geral	
FOR REISSUE	COMPLI		
PATENT APPLICATION	Reissue Application No.	09/77	
TO CORRECT "ERRORS" STATEMENT	Filing Date	Febru	
(37 CFR 1.175)	Art Unit	1725	

	on unless it contains a valid OMB control number.
Attorney Docket Number	2115D-000939/DVD
First Named Inventor	Gerald A. Mourou
	COMPLETE
Reissue Application No.	09/775,069
Filing Date	February 1, 2001
Art Unit	1725
Examiner Name	Geoffrey S. Evans

:858 45/ 8/45

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Name of Sole	Name of Sole or First Inventor: A petition has been filed for this unsigned inventor				
Given Name	(first and middle [if any])	Family Na	ame or Suri	name	
Gerard A		Mourou			
Inventor's Signature				Date	
Name of Second Inventor: A petition has been filed for this unsigned inventor				iled for this unsigned inventor	
Given Name (first and middle [if any])	Family Na	me or Surr	name	
Detao		Du			
Inventor's Signature	M	for		Date	2/27/04
Name of Third	Inventor:	□ A	petition has	been filed	for this unsigned inventor
Given Name (first and middle [if any])	Family Na	me or Sum	ame	
Subrata K.		Dutta			
Inventor's Signature				Date	
Name of Fourth	Name of Fourth Inventor: A petition has been filed for this unsigned inventor				for this unsigned inventor
Given Name (first and middle [if any]) Family Name or Surname					
Victor Elner					
Inventor's Signature				Date	

A additional inventors or legal representationally are being named on the _1_ supplimental sheets PTOSB02A or QLR attacked hereto.

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Under the Paperwork Reduction Act of 1995, no persons are required		
Under the Paperwork Reduction Act of 1990, no persons are required	Attorney Docket Number	2115D-000939/DVD
SUPPLEMENTAL DECLARATION	First Named Inventor	Gerald A. Mourou
FOR REISSUE	C	COMPLETE
PATENT APPLICATION	Reissue Application No.	09/775,069
TO CORRECT "ERRORS" STATEMENT	Filing Date	February 1, 2001
(37 CFR 1.175)	Art Unit	1725
(31 CFR 1.175)	Examiner Name	Geoffrey S. Evans

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F. (2)			A netition ha	s been file	ed for this unsigned inventor
Name of Sole or	r First Inventor:		A petition has been filed for this unsigned inventor		
Given Name (f	irst and middle [if any])	Family N	lame or Surna	ame	
Gerard A		Mourou	1		
Inventor's Signature				Date	
Name of Secon	d Inventor:		A petition ha	s been file	ed for this unsigned inventor
Given Name (f	irst and middle [if any])	Family N	Name or Surn	ame	
Detao Du					
Inventor's Signature				Date	
Name of Third I	nventor		A petition has I	een filed	for this unsigned inventor
Given Name (f	irst and middle [if any])	Family N	Name or Surn	ame	
Subrata K.		Dutta			
Inventor's Signature	Sulvata Dr	the		Date	2/21/04
Name of Fourth Inventor: A petition has been filed for this unsigned inventor			for this unsigned inventor		
Given Name (first and middle [if any]) Family Name or Surname			ame		
Victor Elner					
Inventor's Signature				Date	

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SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)	Attorney Docket Number	2115D-000939/DVD
	First Named Inventor	Gerald A. Mourou
		COMPLETE
	Reissue Application No.	09/775,069
,	Filing Date	February 1, 2001
	Art Unit	1725
	Examiner Name	Geoffrey S. Evans

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Name of Sole	or First Inventor:		A petition	has been	filed for this unsigned inventor
Given Name	(first and middle [if any])	Family Name or Surname			
Gerard A		Mouro	u		
Inventor's Signature				Date	
Name of Secon	nd Inventor:		A petition h	nas been	filed for this unsigned inventor
Given Name (first and middle [if any])	Family 1	Name or Surn	ame	
Detao		Du			
Inventor's Signature				Date	
Name of Third	Inventor:		A petition has	been file	d for this unsigned inventor
Given Name (first and middle [if any])	Family N	Name or Surna	ame	
Subrata K.		Dutta			
Inventor's Signature				Date	
Name of Fourth	Inventor:		A petition has	been file	d for this unsigned inventor
Given Name (first and middle [if any])	Family N	Name or Surna	ame	
Victor		Elner			
Inventor's Signature	Vite M. E	-		Date	02/2/04

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Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Page 2 of 2

DECLARATION

ADDITIONAL INVENTOR(S)
Supplemental Sheet

Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle if any) Family Name or Surname Ron Kurtz inventor's 2/24/04 Date Signature Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle if any) Family Name or Surname Paul R Lichter Inventor's Date Signature Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle if any) Family Name or Surname Xinbing Liu Inventor's Date Signature Name ofAdditional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle if any) Family Name or Surname Peter P Pronko Inventor's Date Signature Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor Given Name (first and middle if any) Family Name or Surname Jeffrey A. Squier inventor's Date Signature

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ADDITIONAL INVENTOR(S)
Supplemental Shee*

DECLARATION

Page 2 of 2

Name ofAd	ditional Joint Inventor, if any:	onal Joint Inventor, if any:			A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)			Family Name or Surname				
Ron		Kur	tz				
Inventor's Signature				Date			
Name of Add	ditional Joint Inventor, if any:		A pe	tition has	been filed for this unsigned inventor		
Given N	lame (first and middle if any)			Fam	ily Name or Surname		
Paul R.		Lich	ter				
Inventor's Signature	Paula Frikter			Date	726 20,2004		
Name ofAdo	litional Joint Inventor, if any:		A pe	tition has	been filed for this unsigned inventor		
Given N	ame (first and middle if any)	Family Name or Surname					
Xinbing	1	Liu					
Inventor's Signature				Date			
Name ofAdd	litional Joint Inventor, if any:		A pet	ition has b	peen filed for this unsigned inventor		
Given Na	ame (first and middle if any)		Family Name or Surname				
Peter P.	•	Pron	ko				
Inventor's Signature				Date			
Name ofAdditional Joint Inventor, if any:			A pet	ition has b	een filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname					
Jeffrey A	١.	Squi	er				
nventor's Signature				Date			

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PTO'SB-02A (08-03) Approved for use through 08/3 1/2003. OMB 0851-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE ADDITIONAL INVENTOR(S) Supplemental Shae* DECLARATION Page 2 of 2

Name of A	Additional Joint Inventor, if any:	□ A	petition ha	is been filed for this unsigned inventor
Giver	Name (first and middle if any)		Fa	mily Name or Surname
Ron		Kurtz		
inventor's Signature			Date	
Name of A	dditional Joint Inventor, if any:	□ A;	petition ha	s been filed for this unsigned inventor
Given	Name (first and middle if any)		Far	nily Name or Sumame
Paul F	₹.	Lichter	•	
Inventor's Signature			Date	
Name of A	dditional Joint Inventor, if any:		etition has	been filed for this unsigned inventor
Given	Name (first and middle if any)		Farr	ily Name or Sumame
Xinbin	ıg	Liu		
inventor's Signature	Shi		Date	2-24-04
Name of Ad	Iditional Joint Inventor, if any:	☐ Ape	etition has	been filed for this unsigned inventor
Given I	Name (first and middle if any)		Fam	ily Name or Surname
Peter F	·.	Pronko		
Inventor's Signature			Date	
Name of Ad	ditional Joint Inventor, If any:	□ A pe	tition has I	peen filed for this unsigned inventor
Given N	lame (first and middle if any)		Fami	y Name or Surname
Jeffrey	Α.	Squier		
nventor's Signature			Date	

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 2 of 2

Name ofAdd	ditional Joint Inventor, if any:	☐ A petition has been filed for this unsigned inventor				
Given Name (first and middle if any)			Family Name or Surname			
Ron		Kurtz				
Inventor's Signature			Date			
Name of Add	ditional Joint Inventor, if any:	□ Ар	etition has	s been filed for this unsigned inventor		
Given N	lame (first and middle if any)		Fan	nily Name or Surname		
Paul R.		Lichter				
Inventor's Signature			Date			
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Xinbing		Liu				
Inventor's Signature			Date			
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Peter P.		Pronko				
Inventor's Signature	Dets Dunho		Date	2/18/2004		
Name ofAddi	☐ A pe	/				
Given Name (first and middle if any)		Family Name or Surname				
Jeffrey A		Squier				
nventor's Signature			Date			

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ADDITIONAL INVENTOR(S)
Supplemental Sheet

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Page 2 of 2

Name ofAdo	Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor			
Given N		Fam	ily Name or Surname	
Ron		Kurtz		
Inventor's Signature			Date	
Name of Add	litional Joint Inventor, If any:	_ A peti	tion has b	een filed for this unsigned inventor
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Paul R.		Lichter		
Inventor's Signature			Date	
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Xinbing		Liu		
Inventor's Signature			Date	
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Peter P.		Pronko		
Inventor's Signature			Date	
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Given N	ame (first and middle if any)		Fami	ly Name or Surname
Jeffrey A	۸.	Squier		1 ,
Inventor's Signature	Befler Sa	ud X	Date	2/23/04

This collection of information is experiented by pg D.6.0, 115 aparts UPR 1.6.1. The information is requirely to obtain public which is 6 the (and by the USPT) objected in a substitution of the Commissione's for Patients, P.O. Box (450, Alexandria, VA 22313-1450.

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U.Got the Paperwork Reduction Act of 1925, to persone are required to reduction of information unities to contrale used Cold Sorted number. Attorney Docket Number | 30275/939B SUPPLEMENTAL DECLARATION First Named Inventor Gerard Mourou COMPLETE if known FOR REISSUE PATENT APPLICATION Application Number 09/775,069-Conf. #1906 TO CORRECT "ERRORS" STATEMENT Filing Date February 1, 2001 (37 CFR 1.175) Art Unit 1725 Examiner Name G. S. Evans

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Name of Sole or First Inventor:		A petition has been filed for this unsigned inventor				
	Given Name (first and middle (if any))			Family Name or Sumame		
Gerard A.		Mourou				
Inventor's Signature	Pmo	nΩ.			Date	9/25/04
Name of Se	Name of Second Inventor:		A petition has been filed for this unsigned inventor			
Given Name (first and middle [if arry])		Family Name or Sumame				
Detao		Du		Du		
Inventor's Signature					Date	

supplemental sheet PTO/SB/02A or 02LR attached hereto

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DECLARATIO	N	ADDITIONAL INVENTOR(S) Supplemental Sheet				
				Page 1 of 1		
Name of Additional Joint Inventor, if any	1		A petition has been til	ed for this uneigned inventor		
Given Name (first and middle (if	any))		Family Nan	ne or Sumarne		
Subrata K.				utta		
Inventor's Signature			Date			
Name of Additional Joint Inventor, if any:	1		A pedition has been fik	ed for this unsigned inventor		
Given Name (first and middle (if	any))		Family Nam	e or Sumarne		
Victor M.				ner		
Inventor's Signature			Date			
Name of Additional Joint Inventor, if any:			petition has been file	d for this unsigned inventor		
Given Name (first and middle (if a	my))		Family Name	or Sumame		
Ron			Ku	rtz		
Inventor's Signature			Date			
Name of Additional Joint Inventor, if any:		^^^^	petition has been filed	for this unsigned inventor		
Given Name (first and middle (if a	9(1)		Family Name	or Surname		
Paul R.			Lich			
Inventor's Signature			Date			
Name of Additional Joint Inventor, if any:		A	petition has been filed	for this unsigned inventor		
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Xinbing			Lit			
Inventor's Signature			Date			
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Peter P.			Pronk			
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Given Name (first and middle (if any)		Family Name or	Sumame		
Jeffrey A.			Squie			
nventor's Egnature			Date			

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	Attorney Docket Number	30275/939B
SUPPLEMENTAL DECLARATION	First Named Inventor	Gerard Mourou
FOR REISSUE		ETE If known
	Application Number	09/775,069-Conf. #1906
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Name of Sole or First Inventor:		A petition has been filed for this unsigned inventor				
	Given Name (first and middle (if enyl)				Family No	ame or Sumame
Gerard A.			Mourou			lourou
Inventor's Signature			_		Date	
Name of Second Inventor:		A petition has been filed for this unsigned inventor				
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DECLARATION	· r	ADDITIONAL INVENTOR(S)					
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Name of Additional Joint Inventor, if any:	ı	A petition has been filed for this unsigned inventor					
Given Name (first and middle (if	any))	Family Name or Sumame					
Subrata K.		1		Dutta			
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Victor M.				Elner			
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Ron		1		Kurtz	-		
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PTC/SB/51S (07-07)
Approved for use through 07/31/2007, OMB 0851-0033
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	Attorney Docket Number	30275/939B			
FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)	First Named Inventor Gerard Mourou				
	COMPLETE if known				
		09/775,069-Conf. #1906			
	Filing Date	February 1, 2001			
		1725			
	Examiner Name	G. S. Evans			

I/We hereby declare that:

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Gerard A.			Mourou			
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¹ aupplemental sheet PTO/SBA2A or 02LR attached hereto.

PTO/SB,02A (07-07)
Approved for use through 06/30/2010. OMB 0651-0032
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	SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)

Attorney Docket Number	30275/930D
	Gerard Mourou
COMPL	ETE if known
Application Number	09/775,069-Conf. #1906
Filing Date	February 1, 2001
Art Unit	1725
Examiner Name	G. S. Evans

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Who havely declare that all statements made herein of mylour own knowledge are true and that all statements made on information and bestef are believed to be true; and further that these statements were made with the knowledge that willing the statements and the like so made are purchisable by fine or impersonment, or both, under 16 U.S.C. 1001 and that such without falls so made are purchisable by fine or impresonment, or both, patent issued thereon.

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X Additional inventors or legal representative(s) are being named on the supplemental sheet PTOISBAGA or GZLR attached hereto.

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DECLARATION	ON	ADDITIONAL INVENTOR(S) Supplemental Sheet				
		Page 1	of 1			
Name of Additional Joint Inventor, if a	- 1	A petition has been tiled for this unsigned inven				
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Under the Paperson Reduction Act of 1985, to person are registed to regord to accident on the Information London London Commerce. Attorney Docket Number |30275/939B SUPPLEMENTAL DECLARATION First Named Inventor COMPLETE If Known FOR REISSUE PATENT APPLICATION Application Number TO CORRECT "ERRORS" STATEMENT 09/775,089-Conf. #1908 Filing Date (37 CFR 1.175) February 1, 2001 Art Unit 1725 xaminer Name G. S. Evans

I/We hereby declare that:

therey error in the patent which was convected in the present release application, and which is not covered by the prioric castic); and/or declaration(s) submitted in this application, arose without any deceptive intention on the part of the application.

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1 supplemental sheet PTO/SBR2A or QELR attached to

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SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)

Attorney Docket Number	30275/939B				
	Gerard Mourou				
	ETE if known				
Application Number	09/775,069-Conf. #1906				
Filing Date	February 1, 2001				
Art Unit	1725				
Examiner Name	G. S. Evans				

I/We hereby declare that:

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I/We hereby declare that all statements made herein of mylour own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the lite so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the radiality of the application or any

Name of Sole or First Inventor:			A petition has been filed for this unsigned inventor			
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	Gerard	IA.	Mourou			Aourou
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Subrata K.	Dutta				
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Victor M.	Elner				
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Peter P.	Pronko				
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1		First Named Inventor	Gerard Mourou
ı			ETE if known
1		Application Number	09/775,069-Conf. #1906
ı		Filing Date	February 1, 2001
ı		Art Unit	1725
L		Examiner Name	G. S. Evans

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DECLARATION

ADDITIONAL INVENTOR(S)

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Name of Additional Joint Inventor, if any	,		A petiti	on has been sted for this unsigned inventor	
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U.S. Patient and Trademark Office, U.S. DEPARTMENT OF COMMERCE

SUPPLEMENTAL DECLARATION FOR REISSUE PATENT APPLICATION TO CORRECT "ERRORS" STATEMENT (37 CFR 1.175)	Attorney Docket Number	30275/939B	
	First Named Inventor	Gerard Mourou	
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		09/775,069-Conf. #1906	
		February 1, 2001	
	Art Unit	1725	
	Examiner Name	G. S. Evans	

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ı		Attorney Docket Number	30275/939B
SUPPLEMENTAL DECLARATION	First Named Inventor	Gerard Mourou	
Į	FOR REISSUE	COMPL	ETE if known
I	PATENT APPLICATION		09/775,069-Conf. #1906
ı	TO CORRECT "ERRORS" STATEMENT		February 1, 2001
ı			1725
L		Examiner Name	G. S. Evans

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Name of Se	cond Inventor:			A petition has be	en filed f	or this unsigned inventor
	Given Name (first an	d middle (if any))			Family Na	me or Surname
	Deta	0				Du
Inventor's Signature					Date	

x	Additional inventors or legal representative(s) are being named on the	1	supplemental sheet PTO/SBA02A or 02LR attached hereto

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DECLARATION		ADDITIONAL INVENTOR(S) Supplemental Sheet		
			Page 1 of 1	
Name of Additional Joint Inventor, if any:			A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Sumeme	
Subrata K.		Dutta		
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition has been filed for this unsigned inventor		
Given Name (first and middle (if an	y))	Family Name or Sumame		
Victor M.			Elner	
Inventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any	0)		Family Name or Surname	
Ron		1	Kurtz	
nventor's Signature			Date	
Name of Additional Joint Inventor, if any:		A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))	Family Name or Surname		
	Paul R.		Lichter	
rventor's ignature			Date	
ame of Additional Joint Inventor, if any:		A p	petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname	
Xinbing			Liu	
ventor's gnature			Date	
arme of Additional Joint Inventor, if any:		Ap	etition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Sumame	
Peter P.			Pronko	
entor's nature			Date	
me of Additional Joint Inventor, if any:		Ape	tition has been filed for this unsigned inventor	
Given Name (first and middle (if any))			Family Name or Surname	
Deffrey A.			Squier ,	
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